UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

Docket No. FIS920030078US2 (16422A)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Total Pages in this Submission

TO THE COMMISSIONER FOR PATENTS

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Alexandria, VA 22313-1450 Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for a STI STRESS MODIFICATION BY NITROGEN PLASMA TREATMENT FOR IMPROVING PERFORMANCE IN SMALL WIDTH DEVICES and invented by: Sadanand V. Deshpande Bruce B. Doris Werner A. Rausch James A. Slinkman If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information: □ C ntinuation ☑ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 10/250.047 Which is a: ☐ C ntinuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Which is a: ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: Enclosed are: **Application Elements** Filing fee as calculated and transmitted as described below 19 2. Specification having pages and including the following: a. 🔀 Descriptive Title of the Invention b. 🔲 Cross References to Related Applications (if applicable) Statement Regarding Federally-sponsored Research/Development (if applicable) c. 🔲 d. 🔲 Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix e. 🔀 Background of the Invention f. 🔀 Brief Summary of the Invention X Brief Description of the Drawings (if filed) h. 🔀 **Detailed Description** X Claim(s) as Classified Below Abstract of the Disclosure

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Application Elem nts (Continu d) ☑ Drawing(s) (when necessary as prescribed by 35 USC 113) Formal Number of Sheets b. 🗆 Informal **Number of Sheets** ☑ Oath or Declaration Newly executed (original or copy) Unexecuted Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only) c. 🔀 With Power of Attorney ☐ Without Power of Attorney d. 🗆 **DELETION OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application. see 37 C.F.R. 1.63(d)(2) and 1.33(b). 5. Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix) 7. Application Data Sheet (See 37 CFR 1.76) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. 🔲 CD-ROM or CD-R (2 copies); or ii. D Paper c. 🔲 Statement(s) Verifying Identical Paper and Computer Readable Copy **Accompanying Application Parts** 9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(B) Statement (when there is an assignee) 11. ☐ English Translation Document (if applicable) 12. Information Disclosure Statement/PTO-1449 Copies of IDS Citations Preliminary Amendment 13. 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Certificate of Mailing

Express Mail (Specify Label No.): EV244124809US

First Class

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		Accompanying Applicati n Parts (C ntinu d)				
17.	Additional Enclosures (please identify below):					
		ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION ASSIGNEE ADDRESS: ARMONK, NEW YORK				
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)				
8.		Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.				
		Warning				
		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.				

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The PTO did not receive the following:

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Fee Calculation and Transmittal

CLAIMS AS FILED						
For	#Filed	#Allowed	#Extra		Rate	Fee
Total Claims	6	- 20 =	0	х	\$18.00	\$0.00
Indep. Claims	1	- 3 =	0	x	\$86.00	\$0.00
Multipl Dependen	t Claims (checl	k if applicable)				\$0.00
					BASIC FE	\$770.00
OTHER FEE (spec	cify purpose)					\$0.00
					TOTAL FILING FE	E \$770.00

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Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,

pursuant to 37 C.F.R. 1.311(b).

Signalu

Dated: January 5, 2004

Leslie S. Szivos, Ph.D. Registration No.39,394

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CERTIFICATE OF Applicant(s): Sadanand	Docket No. FIS920030078US2 (16422A)							
Serial No. To be assigned	Filing Date Herewith	Examiner Unassigned	Group Art Unit Unassigned					
Invention: STI STRESS MODIFICATION BY NITROGEN PLASMA TREATMENT FOR IMPROVING PERFORMANCE IN SMALL WIDTH DEVICES								
I hereby certify that this NEW DIVISIONAL PATENT APPLICATION (Identify type of correspondence) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on								
	Note: Each paper must ha	Leslie S. 82ivo (Typed or Printed Name of Person (Signature of Person Mailing EV2441248 ("Express Mail" Mailing ave its own certificate of mailing.	Mailing Correspondence) g Correspondence)					